I claim:

1. A responsive system for digital signal processing, comprising:

a data transmission unit; and

a plurality of data processing units communicating with one another through said data transmission unit, said data processing units implementing at least one computer program dependent on a respective update status;

a) each of said data processing units, during each communication, assigning a revision identity characterizing its update status to a signal produced by said data processing unit;

b) one of said data processing units receiving the signal, performing a comparison to determine if the revision identity characterizing the received signal matches a revision identity stored for that signal; and

c) said data processing unit receiving the signal performing regular processing of the signal if the received revision identity matches the stored revision identity and otherwise not performing regular processing of the signal.

2. The responsive system according to claim 1, wherein each of said data processing units has an analysis module for carrying out the comparison.

3. The responsive system according to claim 1, including a first database storing the respective update status of at least one of the signals and the computer programs of all of said data processing units, and a second database storing at least one of future modifications or revisions of respective signals to be modified and respective computer programs to be modified.

4. The responsive system according to claim 1, including a service system for updating at least one of the computer programs and the signals of said data processing units.

5. A method for operation of a responsive system for digital signal processing, which comprises:

a) providing a data transmission unit;

b) providing a plurality of data processing units communicating with one another through the data transmission unit;

c) implementing at least one computer program depending on a respective update status in the data processing units;

d) producing a signal with one of the data processing units, and assigning a revision identity to the signal characterizing an update status of the signal, for each communication;

e) carrying out a comparison in one of the data processing units receiving a signal to determine if the revision identity characterizing the received signal matches a revision identity stored for that signal; and

f) carrying out regular processing of the signal if the revision identities match, and otherwise not carrying out the regular processing of the signal.

6.   The method according to claim 5, which further comprises storing the stored revision identity in an analysis module in the data processing unit receiving the signal and in a database.

7.   The method according to claim 5, which further comprises storing the stored revision identity in a database.

8. The method according to claim 5, which further comprises storing the stored revision identity in an analysis module in the data processing unit receiving the signal.

9. The method according to claim 6, which further comprises incrementing the revision identity characterizing the signal and the revision identity stored for the signal by a value of one for a revision relating to that signal.

10. The method according to claim 7, which further comprises incrementing the revision identity characterizing the signal and the revision identity stored for the signal by a value of one for a revision relating to that signal.

11. The method according to claim 8, which further comprises incrementing the revision identity characterizing the signal and the revision identity stored for the signal by a value of one for a revision relating to the signal.

12. The method according to claim 6, which further comprises providing the revision identity characterizing the signal, and the revision identity stored for the signal, with a negative mathematical sign when the signal is removed.

13. The method according to claim 7, which further comprises providing the revision identity characterizing the signal, and

the revision identity stored for the signal, with a negative mathematical sign when the signal is removed.

14. The method according to claim 8, which further comprises providing the revision identity characterizing the signal, and the revision identity stored for the signal, with a negative mathematical sign when the signal is removed.